

PATENT CLAIMS

1. Closure cap for sealing an opening in a base part (13), with an exterior marginal web (5) that can be inserted into the opening, with a shielding section (4) that protrudes past the marginal web (5), and with a hot-melt adhesive (11) that is arranged in the area of the shielding section (4) and is deformable in a plastic manner when heated above a softening temperature, whereby configured on the marginal web (5) are a number of abutment elements (7) that grip the base part (13) when the closure cap (1) is inserted into the opening, whereby a joint zone (3) having a flexural rigidity that is reduced versus that of the shielding section (4) is configured between the marginal web (5) and the shielding section (4), and whereby the distance between the gripping contact areas (9) of the abutment elements (7) and the bottom side of the hot-melt adhesive (11), which faces the marginal web (5), is smaller than the thickness of the base part (13) in the marginal area (14) of the opening such that an initial tension is created in the joint zone (3) when the closure cap (1) is inserted into the opening.
2. Closure cap according to Claim 1, characterized in that the joint zone exhibits a groove section (3), the thickness of material of which is reduced versus adjacent interior areas.

3. Closure cap according to Claim 2, characterized in that the groove section (3) is open in the direction pointing away from the marginal web (5).
4. Closure cap according to one of the Claims 1 through 3, characterized in that a groove-like transition zone (12) that is filled with a hot-melt adhesive (11) and is open in the direction of the exterior margin of the shielding section (4) is present between the shielding section (4) and the joint zone (3).
5. Closure cap according to one of the Claims 1 through 4, characterized in that the abutment elements (7) exhibit snap-in catches (8) that can move transversely to the marginal web (5) and are connected with the marginal web (5).
6. Closure cap according to one of the Claims 1 through 4, characterized in that the abutment elements (7) have a number of sawtooth-like projections configured on the marginal web (5).

[Figures 1 – 5 do not require translation]